

**SONY**

be like.no.other™

**VAIO**

## VGN-CS21S/R

### Express Your Style

Your stylish multimedia companion in Spicy Red



VAIO Europe official website  
<http://www.vaio.eu/>

VAIO Europe official website  
<http://www.vaiopro.eu/>

### KEY FEATURES

14.1" X-black LCD for sharp and bright pictures

Enjoy multimedia with video chat webcam, sensor touch AV controls and light & sound effects

Powerful Intel® Centrino® 2 processor technology, NVIDIA® graphics and 4GB RAM

Edit pictures and create fun slideshows with Adobe® Photoshop® Elements

### TECHNICAL SPECIFICATIONS

#### Operating System

Operating System	Genuine Windows Vista® Home Premium
Microsoft® Windows® Service Pack	1

#### Architecture

Platform	Intel® Centrino® processor technology
Chipset	Mobile Intel® PM45 Express Chipset

#### Colour

Cover colour	Spicy Red
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## CPU Section

Processor Name	Intel® Core™ 2 Duo Processor T6400, Supports Enhanced Intel SpeedStep® Technology
Processor Manufacturer	Intel®
Processor Speed (GHz)	2,00
L2 Cache (MB)	2
Frontside Bus (MHz)	800
Number of Cores	2

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## Memory

Memory Size (GB)	4
Memory Speed (MHz)	800
Memory Type	DDR2 SDRAM (2x2GB)
Max. Supported Memory (GB)	4
Max Memory Comment	In the case of 4GB, a portion of the system memory over 3GB might not be available to the 32bit operating system

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## Drives

Hard Drive Capacity (GB)	320
Hard Drive Type	Serial ATA
Hard Drive Speed (rpm)	5400
Optical Drive Type	DVD+-RW/+-R DL/RAM
Optical Drive Fitting	Built-in

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## Drives Speed

Write	CD-R x24, CD-RW x24, DVD-R DL x6, DVD-R x8, DVD-RW x6, DVD+R DL x6, DVD+R x8, DVD+RW x8, DVD-RAM x5
Read	CD x24, CD-R x24, CD-RW x24, DVD x8, DVD-R DL x8, DVD-R x8, DVD-RW x8, DVD+R DL x8, DVD+R x8, DVD+RW x8, DVD-RAM x6

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## Display

Screen Type	X-black LCD
Diagonal Size (in)	14.1
Resolution	1280 x 800
Aspect Ratio	16:10
Resolution Type	WXGA

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## Graphics

Graphic Card Name	NVIDIA® GeForce® 9300M GS GPU
Total Graphics Memory	Approx.1510 MB with dedicated Video Memory of 256MB
Comments	* Total Available Graphics Memory refers to the Windows Vista® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size

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## Interfaces

4 Pin i.LINK™ (IEEE1394), 400 Mbps	1
DC in	1
Memory Stick™ Slot	1
Memory Stick™ Slot Type	Memory Stick™ Std / Duo, Memory Stick™ PRO Std / Duo, high speed data transfer
SD Card Slot	1
Audio out	1
Audio out Type(s)	Stereo Headphones/Speakers Jack
Microphone Jack (Stereo)	1
RJ-11 Direct Port (Modem)	1
RJ-45 Direct Port (Network)	1
USB Speed	High/Full/Low
USB Port (quantity)	3
USB Version	2.0
USB Connector Type	A
VGA Connector for Monitor	1
Express Card Slot	1
Express Card Slot Type	34mm

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## Connectivity

Built-in Modem	V.92/V.90
Integrated Wireless LAN	YES
Wireless LAN Max. Date Rate (Mbps)	300 (RX)/ 150 (TX)
Wireless LAN Range (m)	max. 100
Wireless LAN Type	802.11a/b/g/Draft n
Integrated Bluetooth (Version)	2.1 + EDR
Bluetooth Range (m)	10
Ethernet network	100 BASE-TX/10 BASE-T

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## Multimedia

Intel® High Definition Audio compatible	YES
Built-in Stereo Speakers	YES
Windows® Sound System Compatible	YES

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## Built-in Camera

Built-in 'Motion Eye' Digital Camera	YES
Frames per Second	max. 30
Image Sensor (Mega Pixels)	1.3
Motion Picture Function	YES
Motion Pictures max. Resolution (pixels)	1280x1024 (SXGA)

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## Keyboard Section

Touch Pad	1
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## Features

Special Buttons	Power button, Wireless switch, AV buttons, AV Mode, Capture
Auto Resolution	Plug and Display
Built-in Microphone	YES
Kensington Lock	YES

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## Software

Audio	VAIO Music Box, Windows Media Player 11, SonicStage Mastering Studio 2.4
Video & TV	Me&MyVAIO, VAIO Content Importer / Exporter, WinDVD BD 8 for VAIO, DivX Player & Converter, VAIO Movie Story
Photo	Adobe Photoshop Elements 6, Picture Motion Browser, VAIO Movie Story
CD-DVD Burning	Easy Media Creator 10, Click to Disc/Editor
Home Network	VAIO Media Plus
Office Application	Adobe® Reader® 8.1, Adobe Standard 8, Microsoft® Works 9.0, Microsoft® Office Trial 2007 (60 days Try & Buy)
Security & Other	McAfee® Internet Security Suite (with 60 days free virus update), VAIO Recovery Utility 2.6 - HDD recovery (hidden partition), Google software package

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## Supplied Accessories

AC Adaptor	YES
Battery	YES
Power Cord	YES

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## Dimensions

Depth Main Unit (mm)	245
Height Main Unit (min - max in mm)	29 - 39.8
Width Main Unit (mm)	335.8
Weight with Supplied Battery and Supplied Drive (kg)	2.6

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## Battery

Battery Type	Lithium-Ion battery (VGP-BPS13S)
Battery Life (min)	170
Battery Charging Time (min)	210
Battery Life Disclaimer	Actual battery life will vary depending on your specific hardware and software configurations. Benchmark: MobileMark 2007

## Guarantee

Months	12
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## OPTIONAL ACCESSORIES

VGPE-MBMDM01/B



Co-branded Mandarina  
Duck VAIO Messenger  
(up to 16.4') Black

VGP-BPS13A/S



Battery Pack for FW  
series

VGP-AC19V30



AC Adapter

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